

ABSTRACT

The discrete paper feeder of the present invention includes a speed reduction mechanism section for transmitting the rotation of a driving motor to a separation roller after reducing the speed of rotation, a disc member on which grooves are formed, a lever member provided on the side of the grooves of the disc member, and a slide pin that is provided on the lever member in a manner projecting and slidable along the grooves by the rotation of the disc member. The speed reduction mechanism section includes a sun gear, an internally-toothed gear, and planetary gears. The disc member is disposed on one end of the rotation shaft of the separation roller and secured to a geared section provided with the internally-toothed gear. The lever member is disposed slidably in the radial direction of the disc member. Also, the rotation of the lever member is regulated by a rotation stopping member. This structure enables prevention of distortion and elongation of recorded image by making peripheral speed difference small. Furthermore, even when the peripheral speed difference is made small, a predetermined interval between manuscript sheets that are transferred in sequence can be provided.